

# Comparisons of Job Characteristics

**Focus Occupation:** [Statistical Assistants \(43-9111\)](#)

**Associated Occupation:** [Mathematical Technicians \(15-2091\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 85

**Focus Occupation:** Statistical Assistants (43-9111)  
**Associated Occupation:** Mathematical Technicians (15-2091)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mathematics	9.2	22.0	17.6	<< Extensive education and/or training may be required
Computers and Electronics	8.4	14.4	15.2	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 73

**Focus Occupation:** Statistical Assistants (43-9111)  
**Associated Occupation:** Mathematical Technicians (15-2091)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mathematics	6.2	20.5	17.3	< A higher skill level may be required
Critical Thinking	10.8	18.0	12.6	<< Extensive development of skills in this area may be required
Reading Comprehension	10.7	16.4	12.0	<< Extensive development of skills in this area may be required
Active Listening	11.0	15.8	11.1	<< Extensive development of skills in this area may be required
Judgment and Decision Making	9.4	15.0	9.2	<< Extensive development of skills in this area may be required
Active Learning	8.7	14.3	11.4	< A higher skill level may be required
Equipment Selection	3.3	13.6	1.2	<< Extensive development of skills in this area may be required
Complex Problem Solving	9.1	13.3	10.8	< A higher skill level may be required
Science	4.5	13.0	5.6	<< Extensive development of skills in this area may be required

Operations Analysis	5.0	10.1	3.2	<<	Extensive development of skills in this area may be required
Programming	2.2	9.5	11.2	>	Skill level is likely sufficient
Technology Design	2.6	5.1	2.2	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 79			
Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Mathematical Technicians (15-2091)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mathematical Reasoning	6.3	23.0	17.8	<<	Extensive improvement in abilities may be required
Number Facility	6.3	21.8	16.2	<<	Extensive improvement in abilities may be required
Deductive Reasoning	10.6	15.5	11.6	<<	Extensive improvement in abilities may be required
Oral Expression	12.4	12.4	12.3	0	Current ability level may be sufficient
Oral Comprehension	12.5	12.0	13.5	>	Current ability level is likely sufficient
Problem Sensitivity	11.1	9.1	9.4	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85
Focus Occupation: Statistical Assistants (43-9111) Associated Occupation: Mathematical Technicians (15-2091)		
Work Activities	Exclusivity of Activity	
Collect scientific or technical data	30	
Compile numerical or statistical data	38	
Create mathematical or statistical diagrams or charts	43	
Prepare reports	8	
Use computers to enter, access or retrieve data	3	
Use oral or written communication techniques	1	
Use relational database software	26	
Use spreadsheet software	18	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Statistical Assistants (43-9111)**

**Associated Occupation: Mathematical Technicians (15-2091)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.